

Title (en)
INTEGRATED MICRO OPTICAL BENCH WITH FLEXIBLE DIELECTRIC SUBSTRATE

Title (de)
INTEGRIERTE MIKROOPTISCHE BANK MIT FLEXIBLEM DIELEKTRISCHEM SUBSTRAT

Title (fr)
BANC MICRO-OPTIQUE INTEGRE A SUBSTRAT DIELECTRIQUE FLEXIBLE

Publication
EP 1581829 A1 20051005 (EN)

Application
EP 03796686 A 20031205

Priority

- US 0338688 W 20031205
- US 24823702 A 20021230

Abstract (en)
[origin: US2004126050A1] A novel micro optical system as a platform technology for electrical and optical interconnections, thermal and mechanical assembly and integration of electronic, optoelectronic, passive and active components. This platform provides optical coupling and chip-to-chip interconnection by microwave electrical, optical guided and unguided waves, and power or bias electrical contacts or interfaces by a novel chip in flexible circuit, rigid or inflexible embodiments.

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G02B 6/42

IPC 8 full level
G02B 6/42 (2006.01); **G02B 6/43** (2006.01)

CPC (source: EP KR US)
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Citation (search report)
See references of WO 2004061506A1

Citation (examination)

- US 5452182 A 19950919 - EICHELBERGER CHARLES W [US], et al
- US 6040624 A 20000321 - CHAMBERS BENJAMIN C [US], et al

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US 2004126050 A1 20040701; **US 7327022 B2 20080205**; AU 2003298924 A1 20040729; CA 2511674 A1 20040722; CA 2511674 C 20130122; CN 100409053 C 20080806; CN 1732399 A 20060208; EP 1581829 A1 20051005; JP 2006512612 A 20060413; JP 4418761 B2 20100224; KR 101097624 B1 20111222; KR 20050089994 A 20050909; WO 2004061506 A1 20040722

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